Title (en)
SELECTIVELY ENABLING PDCP DUPLICATION FOR SURVIVAL TIME

Title (de)
SELEKTIVE AKTIVIERUNG VON PDCP-DUPLIZIERUNG FÜR ÜBERLEBENSZEIT

Title (fr)
ACTIVATION SÉLECTIVE DE LA DUPLICATION DE PDCP POUR LE TEMPS DE SURVIE

Publication
EP 4331322 A1 20240306 (EN)

Application
EP 22726072 A 20220427

Priority
• US 202163180821 P 20210428
• EP 2022061278 W 20220427

Abstract (en)
[origin: WO2022229294A1] At least one Packet Data Convergence Protocol (PDCP) packet duplication leg is configured with a logical channel prioritization (LCP) restriction, restricting a logical channel in the duplication leg to which transmission resources are intentionally not available. Stale packets, (not transmitted due to a lack of resources) are discarded, so the current packet is always at the top of the queue. PDCP duplication can then be activated quickly when needed, such as in survival time mode, as it has already been configured, and the current packet is always ready for transmission. The transmission resources can be dynamically allocated by the network by transmitting a DCI command (e.g., the Configured Grant type 2 activation or dynamic grant with a specific PHY-priority-index). Alternatively, the transmission resource can be allocated beforehand, but scarcely, such that it occurs (i.e., is available) every N-th packet, and so there is a duplication for every N-th packet.

IPC 8 full level
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CPC (source: EP)
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